

Complete Summary

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TITLE

Physical functional health status: average percent change in patient functional status from initial to discharge visit among patients receiving outpatient rehabilitation services.

SOURCE(S)

Therapeutic Associates Outcomes System (TAOS). [database online]. Portland (OR): Therapeutics Associates, Inc.; 1996-[cited 2005 Jan 20]. [various].

Brief Abstract

DESCRIPTION

This measure assesses the average percent change in patient functional status among patients receiving outpatient rehabilitation services as measured by the Therapeutic Associates Outcomes System (TAOS) Functional Index.

TAOS is an outcome system that measures the efficacy of intervention of rehabilitation (physical therapy and occupational therapy) services in the outpatient setting. Patient data collected on the first visit is compared to data collected on the last visit.

RATIONALE

The Therapeutic Associates Outcomes System (TAOS) Functional Index is a quality improvement tool for therapists at both the micro (individual patient) and macro (overall quality management) level. At the individual patient level, the TAOS Functional Index provides an objective measure of function for the therapist, assists the therapist in documenting progress toward goals, and helps justify the benefits of therapeutic interventions provided. The TAOS Functional Index also helps therapists measure the quality of the services they are providing against other providers by providing a standard measure of function that can be used across large populations of patients. Aggregation of data from providers using the TAOS Functional Index provides information that will allow therapists to implement quality management programs to improve the overall quality of treatments provided to patients.

PRIMARY CLINICAL COMPONENT

Physical functional health status; outpatient physical rehabilitation;
musculoskeletal impairments

DENOMINATOR DESCRIPTION

All patients with musculoskeletal impairments who complete both an initial and discharge Therapeutic Associates Outcomes System (TAOS) assessment form at a participating clinic

NUMERATOR DESCRIPTION

The average percent change in patient functional status from initial to discharge visit as measured by the Therapeutic Associates Outcomes System (TAOS) Functional Index

Evidence Supporting the Measure

PRIMARY MEASURE DOMAIN

Outcome

SECONDARY MEASURE DOMAIN

Not applicable

EVIDENCE SUPPORTING THE MEASURE

One or more research studies published in a National Library of Medicine (NLM) indexed, peer-reviewed journal

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Unspecified

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Ambulatory Care

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Occupational Therapists
Physical Therapists

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Individual Clinicians

TARGET POPULATION AGE

Unspecified

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Getting Better
Living with Illness

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

All patients treated at an outpatient rehabilitation clinic participating in
Therapeutic Associates Outcomes System (TAOS)

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR (INDEX) EVENT

Therapeutic Intervention

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

All patients with musculoskeletal impairments who complete both an initial and
discharge Therapeutic Associates Outcomes System (TAOS) assessment form at a
participating clinic

Exclusions

Non-English or Non-Spanish speaking patients who do not have an interpreter to
communicate TAOS questions

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

The average percent change in patient functional status from initial to discharge
visit as measured by the Therapeutic Associates Outcomes System (TAOS)
Functional Index

Exclusions
None

DENOMINATOR TIME WINDOW

Time window precedes index event

NUMERATOR TIME WINDOW

Episode of care

DATA SOURCE

Patient survey

LEVEL OF DETERMINATION OF QUALITY

Not Individual Case

OUTCOME TYPE

Functional Status

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Non-weighted Score/Composite/Scale

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

External comparison at a point in time
Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Content validity was established by a panel of experienced physical therapists who reviewed the instrument and determined that the items for each anatomical area appropriately measured the content domain. Further, factor analysis was performed on 100 questionnaires to confirm that items under each category evaluated the same anatomical area. Discriminate analysis was used to determine how well the instrument could classify patients into categories of anatomical involvement. In the entire sample of 100 patients, 76.54% were placed in the correct group by the discriminate function. Establishment of concurrent validity is being investigated. Test-retest reliability was evaluated for each item using an Intraclass Correlation Coefficient (ICC). Range of test-retest reliability was 0.69 to 0.96 with a mean ICC of 0.85.

EVIDENCE FOR RELIABILITY/VALIDITY TESTING

Schunk C, Rutt R. TAOS Functional Index: orthopaedic rehabilitation outcomes tool. J Rehabil Outcomes Measure 1998; 2(2): 55-61.

Identifying Information

ORIGINAL TITLE

TAOS Functional Index.

DEVELOPER

Therapeutic Associates, Inc.

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

1996 Jan

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

Therapeutic Associates Outcomes System (TAOS). [database online]. Portland (OR): Therapeutics Associates, Inc.; 1996-[cited 2005 Jan 20]. [various].

MEASURE AVAILABILITY

The Therapeutic Associates Outcomes System (TAOS) is available to order from the [Therapeutic Associates, Inc. Web site](#). The TAOS Functional Index, Commonly Asked Questions, and Sample Reports are available for review.

For more information, please call (800) 219-8835, ext. 1118.

COMPANION DOCUMENTS

The following is available:

- Therapeutic Associates Outcomes System (TAOS) Functional Index. Portland (OR): Therapeutic Associates, Inc.; 1996. 4 p.

This document is available in Portable Document Format (PDF) from the [Therapeutic Associates, Inc. Web site](#).

NQMC STATUS

This NQMC summary was completed by ECRI on January 20, 2005. The information was verified by the measure developer on February 15, 2005.

COPYRIGHT STATEMENT

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Refer all questions pertaining to TAOS to Therapeutic Associates, Inc. at (800) 219-8835; Web site www.therapeuticassociates.com.

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The logo for FIRSTGOV, featuring the word "FIRST" in blue and "GOV" in red, with a small graphic of a star above the "I" in "FIRST".

